PULSED ELECTRON JUMP GENERATOR

Abstract of Disclosure

A device and method for stimulating pulsed chemical reactions in a small volume of gaseous reactants. An emitter stimulates the reactions of a fuel oxidizer mixture and a collector converts the vibrational energy of the resulting products into useful energy. The device may also include a reaction region, a collector, and reactants such as fuel and oxidizer. In one embodiment, air including exhausts is made to flow into and out of the reaction region, and fuel is made to flow into the reaction region. The device may be configured in several geometries, including but not limited to, a V-channel, a box and a plane.

Figures